This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

Claims 1-15 (cancelled).

16 (currently amended): A method for screening a compound that inhibits or enhances activity of an acetyltransferase to catalyze a reaction that transfers an acetyl group from one substrate to another, the method comprising:

(a) contacting the acetyltransferase with a peptide substrate in a presence of a test compound,

(b) detecting an amount of an acetylated peptide substrate using an anti-acetylated peptide antibody, wherein the anti-acetylated peptide antibody recognizes only an acetylated form of the peptide substrate and does not recognize the peptide substrate in its unacetylated form, provided that the antibody concentration is 0.01 μg/ml or greater,

(c) comparing the amount of the acetylated peptide substrate detected in step (b) with a control amount defined as an amount of an acetylated peptide substrate detected in an absence of the test compound, and

(d) selecting the compound associated with an increase or decrease in the amount of the acetylated peptide substrate as compared to the control amount.

17 (previously presented): The method of claim 16 wherein the peptide substrate is p53.

18 (previously presented): The method of claim 16 wherein the peptide substrate is labeled.

19 (previously presented): The method of claim 18 wherein the label is biotin.

20 (previously presented): The method of claim 16 wherein the peptide substrate is immobilized on a solid phase.

21 (previously presented): The method of claim 16 wherein the anti-acetylated peptide antibody is labeled.

22 (previously presented): The method of claim 16 wherein the amount of the acetylated peptide substrate is detected by ELISA.

23 (currently amended): A kit for the screening method of claim 16 [[23]], comprising an anti-acetylated antibody, acetyltransferase, and a peptide substrate.

24 (new): A kit for the screening method of claim 16, comprising an anti-acetylated antibody, deacetylase, and an acetylated peptide substrate.